



DoD Global Influenza and Other Respiratory Viral Pathogens Week 43 (24 Oct – 30 Oct) Weekly Surveillance Report

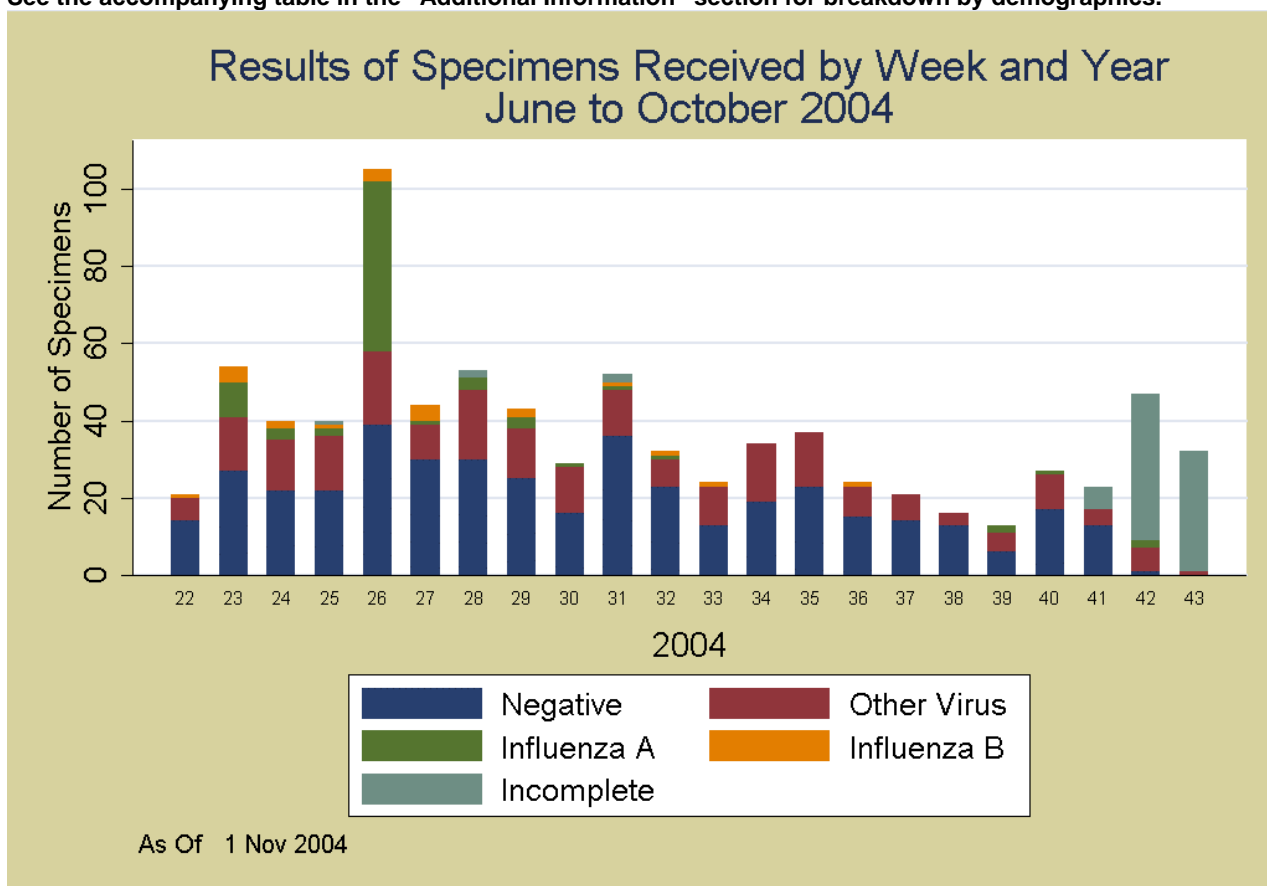


SUMMARY:

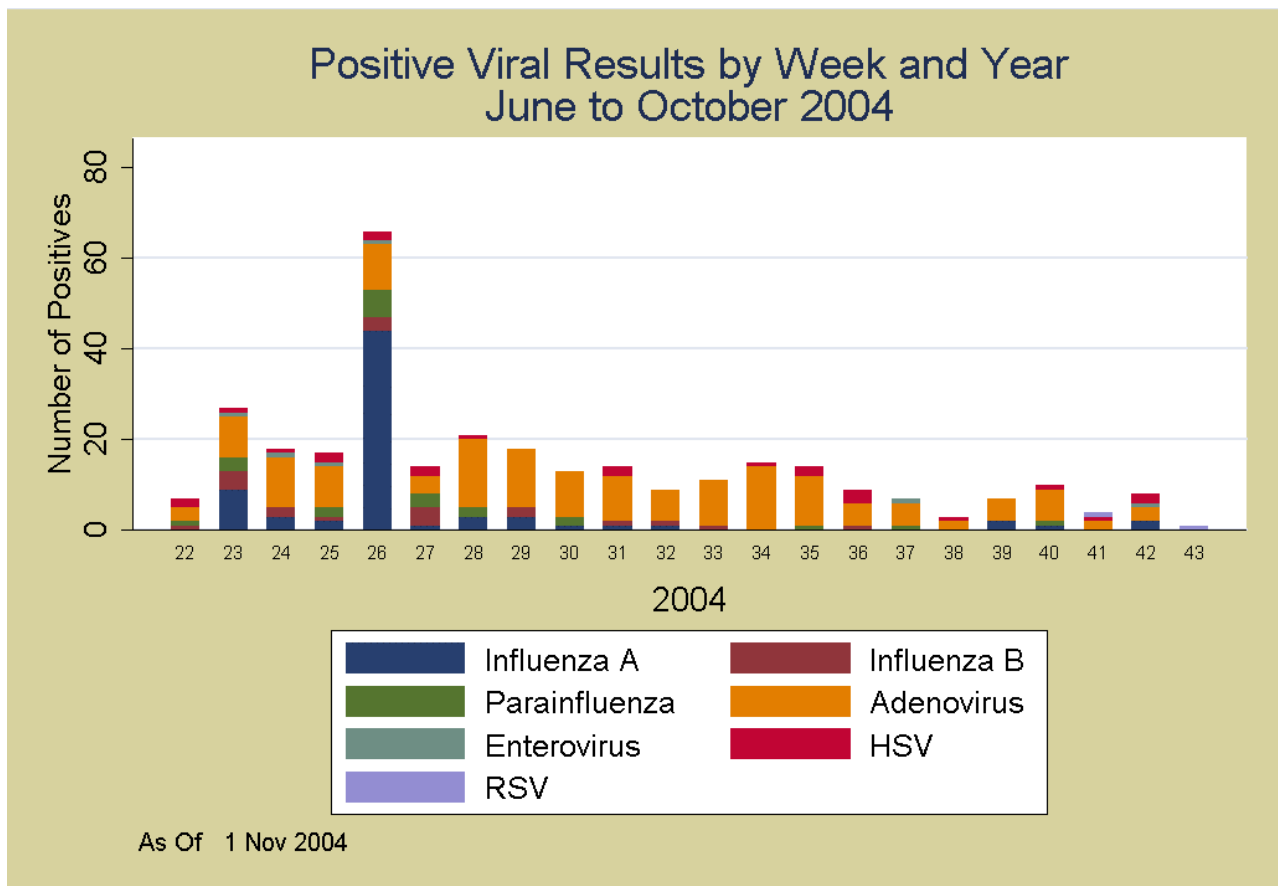
Number of new isolates for Week 43: **0 Influenza A; 0 Influenza B**

Since **1 June 2004**, the Epidemiological Surveillance Division (AFIOH/SDE) has received 812 specimens as part of the influenza surveillance program. Of those specimens, we have processed 732 (90%) and found 73 (10%) positive for influenza A and 21 (3%) positive for influenza B.

See the accompanying table in the “Additional Information” section for breakdown by demographics.



OVERALL DOD RESPIRATORY VIRAL SURVEILLANCE:



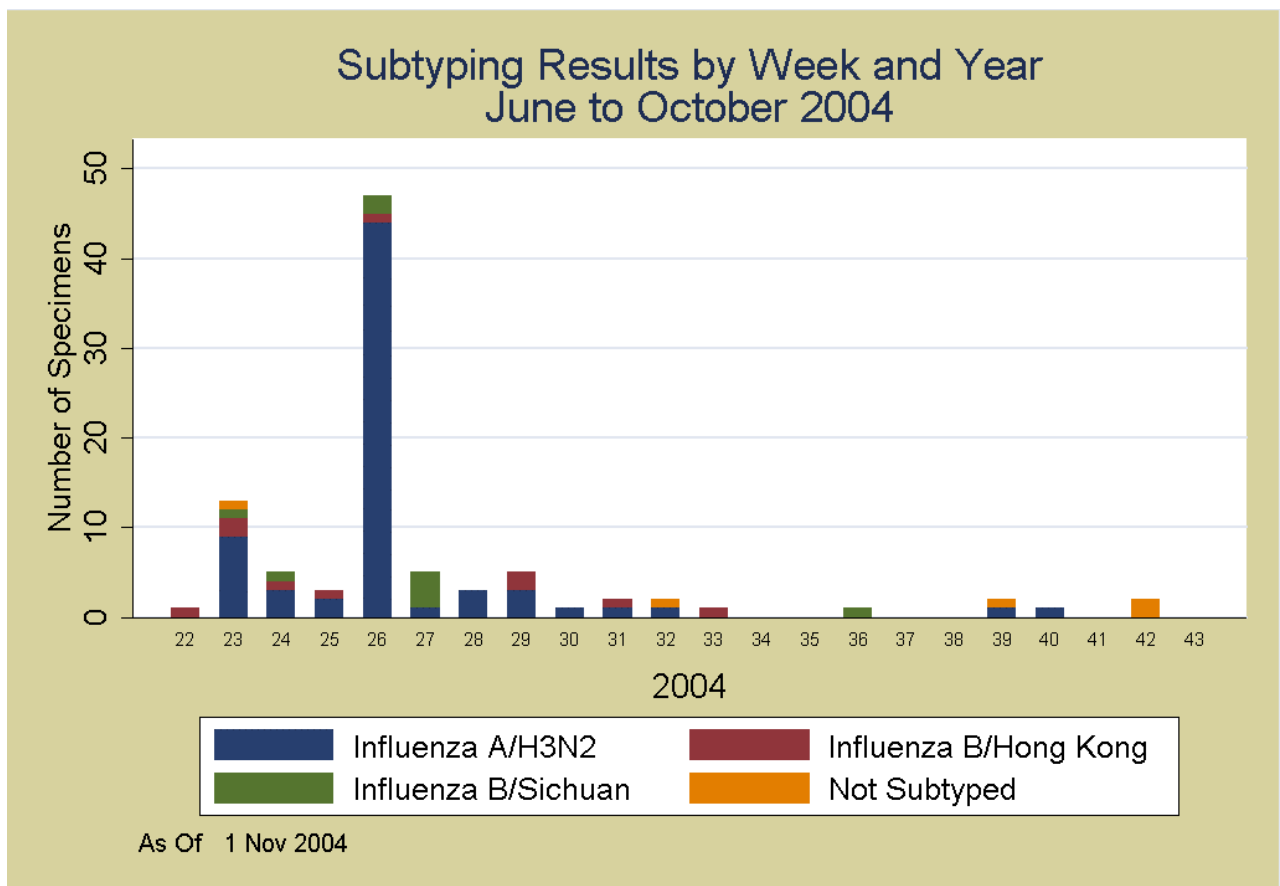
Note: Graphs do not include data from the NHRC, which conducts Febrile Respiratory Illness (FRI) surveillance among recruit populations. NHRC compiles this data into a separate report. For more information, visit the NHRC website at <http://www.nhrc.navy.mil/geis/>

SUBTYPING:

Since **1 June 2004**, we have subtyped 89 isolates using either polymerase chain reaction (PCR) or hemagglutination-inhibition (HI). The following table and graph summarize overall subtyping results. Subtyping results for individual bases can be found on the AFIOH Influenza Surveillance website:

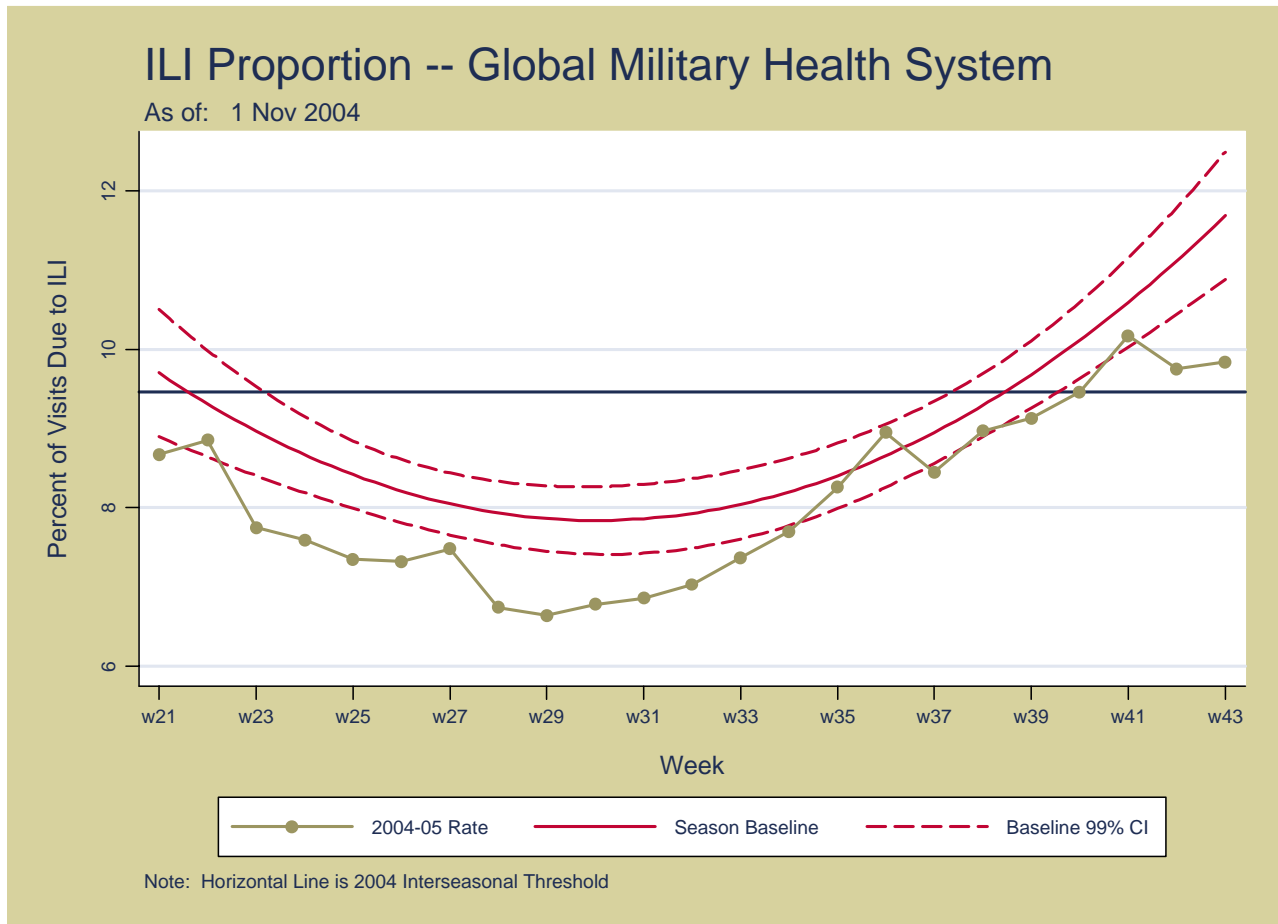
<https://gumbo.brooks.af.mil/pestilence/Influenza/>

Subtype Result	Cumulative Total
Influenza A/H3N2	70
Influenza A (subtype pending)	3
Influenza B/Sichuan-like	9
Influenza B/Hong Kong	10
Influenza B (subtype pending)	2



INFLUENZA-LIKE ILLNESS:

This graph plots the percentage of weekly outpatient visits at military installations that had an ICD-9 code for Influenza-Like Illness. Visit and coding data were taken from ESSENCE. A seasonal baseline and 99% confidence intervals are included for comparison. The baseline was calculated from ESSENCE data for the previous 2 years.



Graphs for individual bases and regions can be found on the AFIOH Influenza Surveillance website:

<https://gumbo.brooks.af.mil/pestilence/Influenza/ILIChartsform.cfm>

NATIONAL INFLUENZA ACTIVITY: CDC

<http://www.cdc.gov/ncidod/diseases/flu/weeklychoice.htm>

During week 42 (the latest report available), CDC reported a low level of influenza activity in the United States. Laboratory surveillance identified 7 specimens (0.7%) positive for influenza: 2 influenza A (H3N2). Eighteen states reported sporadic influenza activity, while 32 states had no activity.

INTERNATIONAL INFLUENZA ACTIVITY: WHO

<http://www.who.int/GlobalAtlas/DataQuery/home.asp>

Week in review: **Week 43**

South America: Argentina reported sporadic activity.

Asia: China and Australia reported sporadic activity.

Europe: Ukraine reported sporadic activity.

North America: Mexico reported sporadic activity.

Africa: Currently no activity.

ADDITIONAL INFORMATION:

- **Avian Influenza Update:** WHO has not updated their website since 25 Oct 04.
Please direct any questions or comments to: influenza@brooks.af.mil

DEMOGRAPHIC SUMMARY:

Table 1. Influenza Isolates by Sentinel Site

	New Isolates		Cumulative (since 1 June 2004)	
# POSITIVES SUBMITTED BY SENTINEL SITES	A	B	A	B
Al Udeid AB, Qatar	0	0	0	0
Andersen AFB, Guam	0	0	1	0
Andrews AFB, MD	0	0	0	0
Aviano AB, Italy	0	0	0	0
Bremerton NS, WA	0	0	0	0
CGS Ketchikan, AK	0	0	0	0
Elmendorf AFB, AK	0	0	0	0
McGuire AFB, NJ	0	0	0	0
Ganci AB, Kyrg	0	0	0	0
Incirlik AB, Turkey	0	0	0	0
Kadena AB, Japan	0	0	0	0
Kunsan AB, Korea	0	0	0	0
RAF Lakenheath, UK	0	0	0	0
Landstuhl RMC, Germany	0	0	0	0
Maxwell AFB, AL	0	0	0	0
Misawa AB, Japan	0	0	0	0
NAB Little Creek, VA	0	0	0	0
NS Pearl Harbor/Hickam, HI	0	0	0	0
NH Yokosuka, Japan	0	0	0	0
NMC San Diego, CA	0	0	0	0
Osan AB, Korea	0	0	0	0
Ramstein AB, Germany	0	0	0	0
Scott AFB, IL	0	0	0	0
Sheppard AFB, TX	0	0	0	0
Travis AFB, CA	0	0	0	0
Tripler AMC, HI	0	0	2	13
US Air Force Academy, CO	0	0	0	0
Yokota AB, Japan	0	0	0	0
TOTALS for SENTINEL SITES	0	0	3	13

Table 2. Influenza Isolates by Overseas Labs

# POSITIVES SUBMITTED BY OVERSEAS LABS	A	B	A	B
AFRIMS, Thailand	0	0	10	0
AFRIMS, Nepal	0	0	42	0
NMRC-D, Peru	0	0	16	8
NMRC-D, Nicaragua	0	0	0	0
TOTALS for OVERSEAS LABS	0	0	68	8

Table 3. Respiratory specimens received

Location	Total # of Specimens Received	
	Current Week	Cumulative*
ALL SITES	35	787
NORTH AMERICA	23	344
PACOM	8	148
EUCOM	4	8
CENTCOM	0	0
SOUTH AMERICA	0	287

+Comments: *Received since 1 June 2004.

Table 4. Summary of Results of Recently Processed Specimens

Location	Results of Specimens Processed during current week*				
	Negative	Influenza A	Influenza B	Adenovirus	Other
ALL SITES	70	7	0	6	6**
NORTH AMERICA	14	0	0	4	3
PACOM	3	3	0	0	2
EUCOM	0	0	0	0	0
CENTCOM	0	0	0	0	0
SOUTH AMERICA	53	4	0	2	1

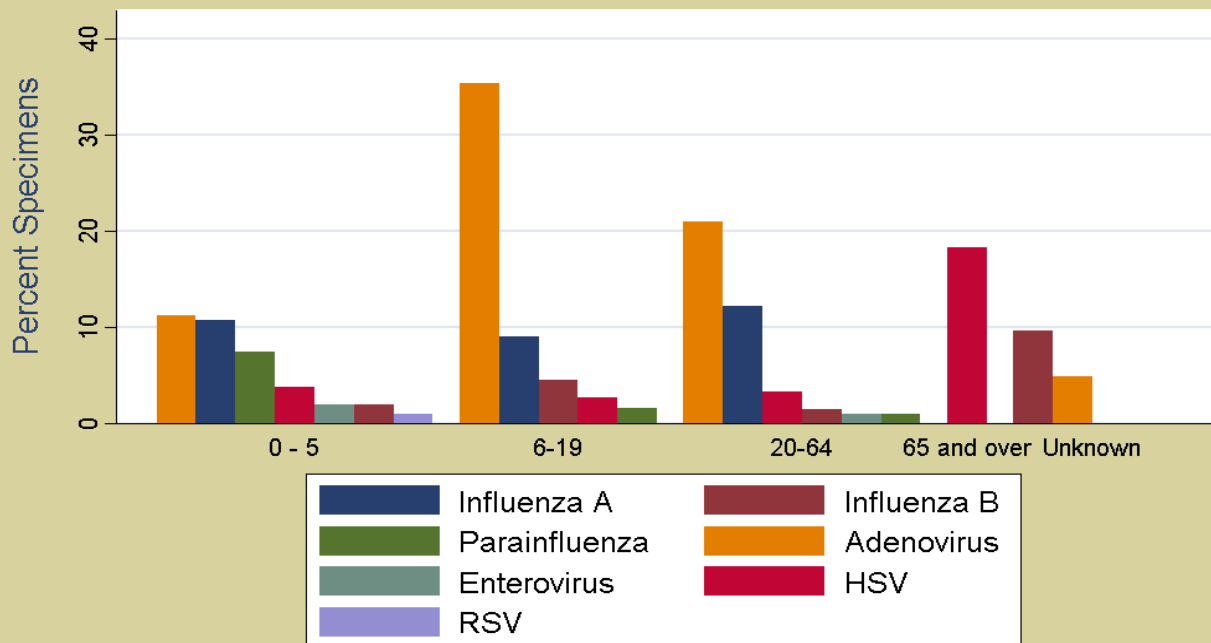
Comments: * specimens were **received** in months of August through October

** 4 HSV, 1 Enterovirus, 1 RSV

DEMOGRAPHIC GRAPHS :

Percent of Respiratory Virus Submissions by Age Group

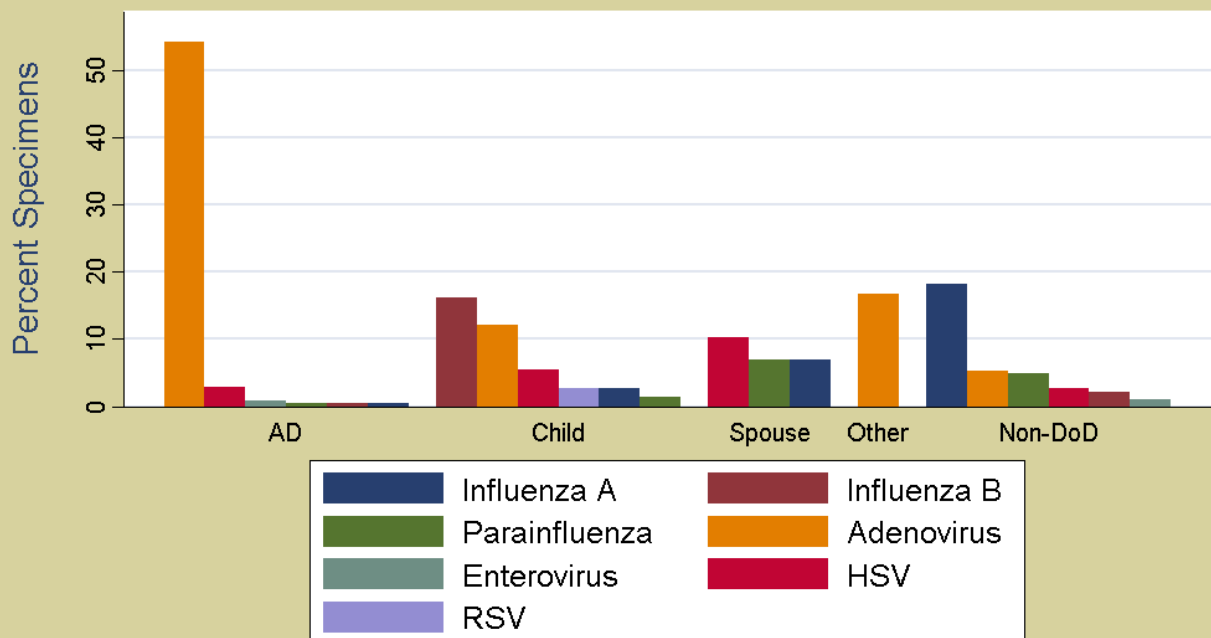
June to October 2004



As of 1 Nov 2004

Percent of Respiratory Virus Submissions by Family Military Prefix

June to November 2004



As of 2 Nov 2004